

## Hart® Programmable - Type HC



### FEATURES:

- Utilizes Hart® protocol for configuration and monitoring; communicates with Hart® communicator or modem
- Input-Output isolation – eliminates measuring errors due to ground loops
- Long term stability – 0.1% / year
- Accepts RTD and T/C inputs
- Sensor error correction – compensates for known sensor errors
- Customized 50 point linearization – any sensor can be matched
- Selectable sensor break function
- Full access to all features while in operation
- FM & Cenelec approvals
- NAMUR compliant
- 5 Year Warranty

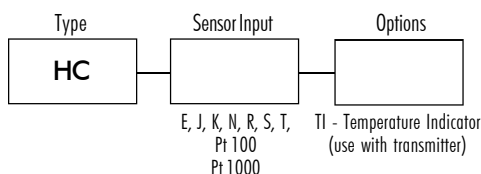
### SPECIFICATIONS:

<b>Input RTD* and Resistance</b>	3,4-wire connection
Pt100 ( $\alpha=0.00385$ )	-200 to +1000°C / -328 to +1832°F
Pt1000 ( $\alpha=0.00385$ )	-200 to +200°C / -328 to +392°F
<b>Input Thermocouples</b>	E, J, K, N, R, S, T
<b>Input Voltage</b>	-10 to +500mV
<b>Sensor failure</b>	User definable output
<b>Adjustments – Zero</b>	Any value within range limits
Pt100, Pt1000	10°C / 18°F
T/C, mV	2mV
<b>Output</b>	4-20 / 20-4 mA
<b>Operating temperature</b>	-40 to +85°C / -40 to +185°F
<b>Galvanic isolation</b>	1500 VAC, 1 min
<b>Power supply</b>	12 to 30 VDC
<b>Intrinsic safety</b>	Cenelec: EEx ia IIC T4-T6
	ATEX: II 1 G
	FM: Class I-III, Div. 1, Gr.A-D, G
<b>Accuracy</b>	± 0.1% of temperature span

\*Consult factory for other RTDs

Note: Can be configured using Hart® (with updated device description) or easy to use Window configuration software.

**To order:** Indicate the sensor input and options required.



### WIRING DIAGRAMS:

